# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of Steinberg

Application No. 09/835,106

Attorney Docket No.: R&H 02-12; DN: 51922 (ACT - 126/127)

Filed:

April 13, 2001

For:

OPTICAL WAVEGUIDE SWITCH

Examiner: Michael C. Zarroll

Group Art Unit: 2839

CERTIFICATE OF MAILING UNDER 37 C.F.R § 1.8(a)

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1450

3.9.2004

Cristin Donahue

Commissioner for Patents Alexandria, VA 22313-1450

> INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56,

Applicants are submitting herewith a Form PTO-1449 and a copy of the references listed thereon. This Information Disclosure Statement is being filed more than three months after the filing date of the RCE. However, Applicants have not yet received an action on the merits of the application. Accordingly, Applicants believe that no fee is required pursuant to 37 C.F.R. §1.97 (b) (3). In the event a fee is required, the Commissioner is authorized to charge the required fees to deposit account no. 04-1406. A duplicate copy of this sheet is included for fee processing, if necessary.

Applicants respectfully request full and proper consideration of the listed information during examination of the application, and that the listed information be printed on any patent that issues therefrom.

Respectfully submitted,

DANN, DORFMAN, HERRELL & SKILLMAN

A Professional Corporation Attorneys for Applicant(s)

PTO Registration No. 48,488

Telephone: (215) 563-4100 Facsimile: (215) 563-4044 Enclosures - Form PTO-1449

Copies of references listed on PTO - 1449

	Complete if known
	Application Number: 09/835,106
INFORMATION	Filing Date: April 13, 2001
DISCLOSURE	First Named Inventor: Steinberg
STATEMENT	Group Art Unit: 2839
_ <del>_                                  </del>	Examiner Name: Michael C. Zarroli
SHEET 1 OF 1	Attorney Docket Number: R&H 02-12; DN: 51922 (ACT - 126/127)

UNITED STATES PATENT DOCUMENTS				
EXAMINER'S	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR
INITIALS	NO.	5727099	03/10/1998	Harman
		5757991	05/26/1998	Harman
		6625356	09/23/2003	Ticknor et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
		DE 3927441 (with English translation)	Germany	02/21/1991	Eicher, Joachim et al.
		EP0476241 (with English translation)	European Office	03/25/1992	Hirschmann, Richard

		OTHER PRIOR ART - NON-PATENT DOCUMENTS
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published

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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP \$609. Draw a line through citation if citation not in conformance and reference not considered. Include a copy of this form with next communication to applicant.

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of Steinberg

Application No. 09/835,106

Attorney Docket No.Shipley 02-12

Filed:

April 13, 2001

For:

OPTICAL WAVEGUIDE SWITCH

Examiner: Michael C. Zarroli

Group Art Unit: 2839

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R § 1.8(a)

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January 14, 2004

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Cristin Donahue

Commissioner for Patents Alexandria, VA 22313-1450

> INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants are submitting herewith a Form PTO-1449 and a copy of the references listed thereon. This Information Disclosure Statement is being filed more than three months after the filing date of the RCE. However, Applicants have not yet received an action on the merits of the application. Accordingly, Applicants believe that no fee is required pursuant to 37 C.F.R. §1.97 (b) (3). In the event a fee is required, the Commissioner is authorized to charge the required fees to deposit account no. 04-1406. A duplicate copy of this sheet is included for fee processing, if necessary.

Applicants respectfully request full and proper consideration of the listed information during examination of the application, and that the listed information be printed on any patent that issues therefrom.

Respectfully submitted,

DANN, DORFMAN, HERRELL & SKILLMAN

A Professional Corporation Attorneys for Applicant(s)

Mials I

PTO Registration No. 48,488

Telephone: (215) 563-4100 Facsimile: (215) 563-4044 Enclosures - Form PTO-1449

Copies of references listed on PTO - 1449

# Complete if known Application Number: 09/835,106 INFORMATION DISCLOSURE STATEMENT First Named Inventor: Steinberg Group Art Unit: 2839 Examiner Name: Michael C. Zarroli SHEET 1 OF 1 Attorney Docket Number: Shipley 02-12

UNITED STATES PATENT DOCUMENTS					
EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR	

		FOF	REIGN PATENT	DOCUMENTS	
EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
<del></del>		JP1999305151A	Japan	11/05/1999	lwashima, Tetsu

	· · · · · · · · · · · · · · · · · · ·	OTHER PRIOR ART - NON-PATENT DOCUMENTS
EXAMINER'S INITIALS	ÇITE NO.	include name of the author (in Capital Letters), title of the article (when appropriate), title of the illem(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

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II EAAWINER 3	EXAMINER'S		
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03/11/04 11:14 FAX 215 563 4044 Acknowledgement Reccipt

> UNITED STATES PATENT AND TRADEMARK OFFICE **ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1:1 Stylesheet Version v1.1.1

> Title of Invention

OPTICAL WAVEGUIDE SWITCH

**Submission Type:** 

Information Disclosure Statement

Application Number:

09/835106

\*09/8

EF\$ ID:

50591

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted — Even if Infor or Warning Messages appear below, please do not re this application
ICON1	4209
ISYS5	Filename= N/A BusinessRule= Validation System/Fun Information. #Supporting Msg:Server unable to valida Confirmaton/Application numbers at this time. They checked by PTO personnel later.

First Named Applicant:

Dan Steinberg

Attorney Docket Number: Shipley 02-12

Timestamp:

2003-11-13 14:24:45 EDT

From:

us

File Listing:

Doc. Name	File Name	Size (
us-ids	51922-usidst.xml	
us-1ds	us-ids.dtd	
us-lds	us-ids.xsl	
us-fee-sheet	51922-usfees.xml	
us-fee-sheet	us-fee-sheet.xsl	
us-fee-sheet	us-fee-sheet.dtd	
package-data	51922-pkda.xml	
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package-data	package-data.dtd	
package-data	us-package-data.xsl	
	Total files size	

Message Digest:

83d77084da577413f399a63704da95351a549982

Digital Certificate Holder cn=Niels Haun,ou=Registered

Name:

Attorneys, ou = Patent and Trademark

Office,ou=Department of Commerce,o=U.S.

Government,c=US

# **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

**OPTICAL WAVEGUIDE SWITCH** 

Application Number:

09/835106

\*09/835106\*

Confirmation Number:

4209

First Named Applicant:

Dan Steinberg

Attorney Docket Number: Shipley 02-12

Art Unit:

2839

Examiner:

Michael C. Zarroli

Search string:

(6320997 or 6393174 or 6393175 ).pn.

### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6320997	2001-11-20	Dautartas et al.			
	2	6393174	2002-05-21	Karaguleff et al.			
	3	6393175	2002-05-21	Jurbergs et al.			

### Remarks

Note: Remarks are not for responding to an office action.

In the event a fee is required the Commissioner is authorized to charge any underpayment or credit any overpayment to the account of the undersigned attorneys, Account No. 04-1406.

### Signature

Examiner Name	Date

Fee transmittal

**2**1044 Page 1 of 2

### FEE TRANSMITTAL

Electronic Version v08 Stylesheet Version v08.0

> Title of Invention

**OPTICAL WAVEGUIDE SWITCH** 

Application Number:

09/835106

\*09/835106\*

Date:

2001-04-13

First Named Applicant: Dan A. Steinberg

Attorney Docket Number: Shipley 02-12

Art Unit:

2839

Examiner:

Michael C. Zarroli

# TOTAL FEE AUTHORIZED \$180

Patent fees are subject to annual revisions on or about October 1st of each year.

### **BASIC FILING FEE**

Fee Description	Fee Code	Amount \$	Fee Paid \$
Submission Of Information Disclosure Stmt Fee	1806	180	180

### **AUTHORIZED BILLING INFORMATION**

The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit account number: 041406

Access Code

\*\*\*

Deposit name:

Dann Dorfman Herrell and Skillman

Deposit authorized name: Niels Haun

Signature:

/nh/

Date (YYYYMMDD):

2003-11-13

Fee transmittal

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Acknowledgement Receipt

# UNITED STATES PATENT AND TRADEMARK OFFICE ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1
Stylesheet Version v1.1.1

Title of Invention

OPTICAL WAVEGUIDE SWITCH

Submission Type:

Information Disclosure Statement

**Application Number:** 

09/835106(02-12)

\*09/8

EFS ID:

48653

Server Response:

Confirmation Code	Message			
ISVR1	Submission was successfully submitted – Even if Informational or Warning Messages appear below, ple not resubmit this application			
ICON1	4209			
ICVCE	Filename= N/A BusinessRule= Validation System/Fun Call Information. #Supporting Msg:Server unable to v the Confirmaton/Application numbers at this time. T be checked by PTO personnel later.			

First Named Applicant:

Dan Steinberg

Attorney Docket Number: 02-12

Timestamp:

2003-10-01 17:02:24 EDT

From:

us

File Listing:

Doc. Name	File Name	Şize (B
us-ids	126-usidst.xml	
us-ids	us-ids.dtd	
us-ids	us-ids.xsl	
package-data	126-pkda.xml	
package-data	package-data.dtd	
package-data	us-package-data.xsl	
	Total files size	

Acknowledgement Receipt

Message Digest:

b6bf57e1391efa3c76e596836573a9dc48566554

Digital Certificate Holder cn=Niels Haun,ou=Registered

Name:

Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S.

Government,c=US

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

**OPTICAL WAVEGUIDE SWITCH** 

Application Number:

09/835106

\*09/835106\*

12-12

Confirmation Number:

4209

First Named Applicant:

Dan Steinberg

Attorney Docket Number: 02-12

Art Unit:

2839

Examiner:

Michael C. Zarroli

Search string:

(4725114 or 4973127 or 5044711 or 5357590 or

5500911 or 6393174 or 6477303 or 6519382 or

20010041026 or 20030108272 ).pn.

### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4725114	1988-02-16	Murphy			
	2	4973127	1990-11-27	Cannon, Jr. et al.			
	3 ·	5044711	1991-09-03	Saito			
	4	5357590	1994-10-18	Auracher	]		
	5	5500911	1996-03-19	Roff	]		
	,6	6393174	2002-05-21	Karaguleff et al.	]		
	7	6477303	2002-11-05	Witherspoon	]		
	8	6519382	2003-02-11	Jurbergs et al.	]		

# **US Published Applications**

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind Class Subclass
	1	20010041026	2001-11-15	Steinberg et al.	
-	2	20030108272	2002-06-12	Sherrer et al.	

## Remarks

Note: Remarks are not for responding to an office action.

In the event a fee is required the Commissioner is authorized to charge any underpayment or credit any overpayment to the account of the undersigned attorneys, Account No. 04-1406.

# Signature

Examiner Name	Date

\*09/835106\*

Acknowledgement Receipt

# UNITED STATES PATENT AND TRADEMARK OFFICE ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1 Stylesheet Version v1.1.1

Title of Invention

OPTICAL WAVEGUIDE SWITCH

Submission Type:

Information Disclosure Statement

Application Number:

09/835106

EFS ID:

41461

Server Response:

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Confirmation Code	Message
ISVR1	Successfully received the submission
ICON1	4209
li .	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant:

Dan Steinberg

Attorney Docket Number:

Timestamp:

2003-06-04 15:51:42 EDT

From:

us

File Listing:

Doc. Name	File Name	Size (Bytes)
	optical-switch-master-usidst.xml	9085
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us-ids	us-ids.dtd	12026
us-ids	us-ids.xsl	2258
package-data	optical-switch-master-pkda.xml	27025
package_data	package-data.dtd	
package-data	us-package-data.xsl	19263
	Total files size	77420

Message Digest:

aeee596bdbd887f1971b071547e2dd3f79316453

Digital Certificate Holder

cn=Niels Haun,ou=Registered Attorneys,ou=Patent and

Name:

Trademark Office,ou=Department of Commerce,o=U.S.

Government,c=US

# **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

Title of Invention

OPTICAL WAVEGUIDE SWITCH

Application Number:

09/835106

\*09/835106\*

Confirmation Number:

4209

First Named Applicant:

Dan Steinberg

Attorney Docket Number:

Search string:

( 3864018 or 4165496 or 4176908 or 4210923 or 4225213 or 4296995 or 4325604 or 4407562 or 4415229 or 4639074 or 4756590 or 4900118 or 5123073 or 5135590 or 5179609 or 5181216 or 5185846 or 5297228 or 5337384 or 5379361 or 5390266 or 5461683 or 5499309 or 5500910 or 5555333 or 5566262 or 5568585 or 5602951 or 5611006 or 5623564 or 5778123 or 5785825 or 5901262 or 5909524 or 6045270 or 6056696 or 6064781 or 6101299 or 6118917 or 6160936 or 6234687 or 6328479 or 20020025107 or 20020146194 or 20020028037 or 20020025104 ).pn.

### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentée	Kind	Class	Subclass
	1	3864018	1975-02-04	Miller	,		
	2	4165496	1979-08-21	Di Domenico, Jr. et al.			
	3	4176908	1979-12-04	Wagner			
	4	4210923	1980-07-01	North et al.			
	5	4225213	1980-09-30	McBride, Jr. et al.			
	6	4296995	1981-10-27	Bickel			
	7	4325604	1982-04-20	Witte			
	8	4407562	1983-10-04	Young			
	9	4415229	1983-11-15	McCullough		•	
	10	4639074	1987-01-27	Murphy			
	11	4756590	1988-07-12	Forrest et al.			
	12	4900118	1990-02-13	Yanagawa et al.			
	13	5123073	1992-06-16	Pimpinella	ĺ		
	14	5135590	1992-08-04	Basavanhally et al.	ļ		
	15	5179609	1993-01-12	Blonder et al.			
	16	5181216	1993-01-19	Ackerman et al.	Į		
	17	5185846	1993-02-09	Basavanhally et al.	İ		

18	5297228	1994-03-22	Yanagawa et al.
19	5337384	1994-08-09	Basavanhally et al.
20	5379361	1995-01-03	Maekawa et al.
21	5390266	1995-02-14	Heitmann et al.
22	5461683	1995-10-24	Harman
23	5499309	1996-03-12	Kozuka et al.
24	5500910	1996-03-19	Boudreau et al.
25	5555333	1996-09-10	Kato
26	5566262	1996-10-15	Yamane et al.
27	5568585	1996-10-22	Kramer
28	5602951	1997-02-11	Shiota et al.
29	5611006	1997-03-11	Tabuchi
30	5623564	1997-04-22	Presby
31	5778123	1998-07-07	Hagan et al.
32	5785825	1998-07-28	Hwang et al.
33	5901262	1999-05-04	Kobayashi et al.
34	5909524	1999-06-01	Tabuchi
35	6045270	2000-04-04	Weiss et al.
36	6056696	2000-05-02	Kallman
37	6064781	2000-05-16	Seibold et al.
38	6101299	2000-08-08	Laor
39	6118917	2000-09-12	Lee et al.
40	6160936	2000-12-12	You et al.
41	6234687	2001-05-22	Hall et al.
42	6328479	2001-12-11	Schofield et al.

# **US Published Applications**

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subolass
	1	20020025107	2002-02-28	Heiks et al.	]		
	2	20020146194	2002-10-10	Sherrer et al.	]		
	3	20020028037	2002-03-07	Steinberg et al.	]		
	4	20020025104	2002-02-28	Steinberg et al.	]		

## Signature

Examiner Name	Date						

The following papers have been received

In re Application of

**STEINBERG** 

Appl. No.

09/835,106

IDS w/PTO-1449 §1.8 Cert. Of Mailing Copies of Cited Refs. Auth. to charge Dep. account

Attorney Docket No.

R&H 02-12; DN: 51922

(ACT - 126/127)

For:

Optical Waveguide Switch

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By: Niels Haun

To following papers have been received

In re Application of **STEINBERG** 

Amendment and Reply §1.8 Cert. Of Mailing Fee Transmittal (Dupl.) \$148 Check

Appl. No.09/835,106

Attorney Docket No.

Auth to charge dep. acct.

Shipley 02-12

Information Disclosure Statement with

copies of references

1449 Form

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